

SEQUENCE LISTING

<110> Hamill, Owen P.
Maroto, Rosario

<120> MECHANOSENSITIVE ION CHANNELS AND METHODS OF USE

<130> 265.00450101

<150> 60/535,327
<151> 2004-01-09

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<170> PatentIn version 3.2

<210> 1
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<212> PRT
<213> Artificial

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<223> Channel blocker GsMTx-4 (Grammostola spatulata venom 4 kDa peptide)

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Lys Leu Phe Leu Leu Ala Cys Asp Lys Gly Asp Tyr Tyr Met Val Lys
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Lys Ile Leu Glu Glu Asn Ser Ser Gly Asp Leu Asn Ile Asn Cys Val
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 Asp Val Leu Gly Arg Asn Ala Val Thr Ile Thr Ile Glu Asn Glu Asn
 85 90 95
 Leu Asp Ile Leu Gln Leu Leu Leu Asp Tyr Gly Cys Gln Lys Leu Met
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 Glu Arg Ile Gln Asn Pro Glu Tyr Ser Thr Thr Met Asp Val Ala Pro
 115 120 125
 Val Ile Leu Ala Ala His Arg Asn Asn Tyr Glu Ile Leu Thr Met Leu
 130 135 140
 Leu Lys Gln Asp Val Ser Leu Pro Lys Pro His Ala Val Gly Cys Glu
 145 150 155 160
 Cys Thr Leu Cys Ser Ala Lys Asn Lys Lys Asp Ser Leu Arg His Ser
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 Arg Phe Arg Leu Asp Ile Tyr Arg Cys Leu Ala Ser Pro Ala Leu Ile
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 195 200 205
 Asp Leu Lys Glu Leu Ser Leu Val Glu Val Glu Phe Arg Asn Asp Tyr
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Ala Pro Lys Ser Gln Phe Gly Arg Ile Ile His Thr Pro Phe Met Lys
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Phe Ile Ile His Gly Ala Ser Tyr Phe Thr Phe Leu Leu Leu Asn
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Ala Leu Glu Arg Ile Asp Tyr Leu Leu Ile Leu Trp Ile Ile Gly Met
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